

MANUFACTURING EXTENSION PARTNERSHIP

Success Stories from the Field

B&B Manufacturing

Puerto Rico Manufacturing Extension Inc

Plant Layout for B & B Manufacturing

Client Profile:

B&B Manufacturing is a family-owned company that manufactures automotive electrical wires and cables. B&B has two facilities in Bayamón, Puerto Rico. The company employs 40 people.

Situation:

B&B acquired a new machine to increase capacity and to substitute several operations in order for the company to improve their manufacturing capacity and introduce new products to their production line. B&B needed to rearrange the manufacturing area to incorporate its new equipment and maximize the space and process flow. The Puerto Rico Manufacturing Extension Inc (PRiMEX) a NIST MEP network affiliate, was contacted to provide support with these tasks.

Solution:

PRiMEX made an assessment of the actual production process and layout through a plant tour and interviews with production personnel. An actual layout using a CAD system was made showing actual flow and suggested implements. The proposed layout and housekeeping recommendations were presented to the B&B management to obtain an agreement and go ahead for implementation. The new layout selected reduced the movement of material and improved process and organization of the work area, opening up space for additional work and materials. These changes increased available floor space by 2700 square feet, providing space for the new machinery and materials and improving overall shop safety and appearance by clearing the aisles.

Results:

- * Improved overall shop floor safety.
- * Increased available floor space by 2700 square feet.
- * Improved throughput.
- * Improved organization of work area.

Testimonial:

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